

Work Order ID 84432

84432

Page 1

May-11-12 2:29:17 PM

Item ID: D3672-3

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Phenolic Washer

Start Date: 11/05/2012 Start Qty: 500.00

500

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 500.00

500

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/05/11

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D3672

Rev C

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 16967

Purchase Part Number: MM .500 OD X .267 ID X .031 +/- .002

Supplier: HASKINS INDUSTRIAL

Certificate of conformity is required

CL 12/05/14 500

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.00

Packaging

Ensure certificate of conformity is attached

12/05/16 500

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

8/02/04/14

500
QSP45

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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May-11-12 2:29:17 PM

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Revision ID:

Item Name: Phenolic Washer

Stop ***NS2***

Start Date: 11/05/2012 Start Qty: 500.00

500

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 500.00

500

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

12/4/18 *500*

12/6/18

ME
12-06-18

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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NOTE: Date & initial all entries

Picklist Print

May-11-12 2:25:40 PM

Page 1

Work Order ID: 84432

84432

Parent Item: D3672-3

D3672-3

Parent Item Name: Phenolic Washer

Start Date: 11/05/2012

Required Date: 25/05/2012

Start Qty: 500.00

Required Qty: 500.00

Comments: IPP Rev:A New Issue 07-09-09 JLM Verified By:EC
IPP Rev:B ECN 1056 07-11-13 DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3672-3P *D3672-3P* WASHER		Purchased	No			110	Each	0.0000	1	500	**	11/05/12	500

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

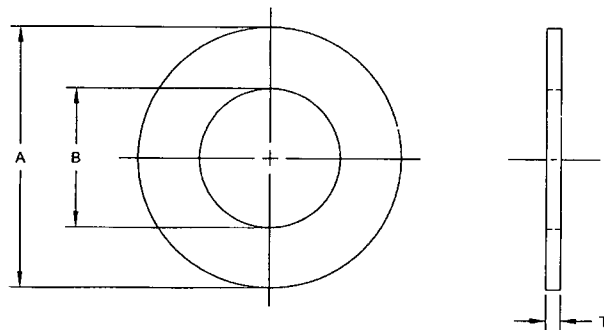
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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SPECIFICATION CONTROL DRAWING



D3672-X PHENOLIC WASHER

Dart P/N	A (IN)	B (IN)	T (IN)	SUPPLIER P/N	REPLACES
D3672-1	0.437	0.210	0.031	MM .437OD x .210ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3L
D3672-3	0.500	0.267	0.031	MM .500OD x .267ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4L
D3672-5	0.562	0.326	0.062	MM .562OD x .326ID x .062 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5
D3672-7	0.562	0.328	0.031	MM .562OD x .328ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5L
D3672-9	0.625	0.390	0.031	MM .625OD x .390ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-11	0.750	0.453	0.031	MM .750OD x .453ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H7L
D3672-13	0.875	0.515	0.031	MM .875OD x .515ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8L



NOTES:

- 1) MATERIAL: PHENOLIC. PURCHASE HASKINS INDUSTRIAL INC. P/N PER TABLE (IN QUANTITIES OF 1000)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 84432 MCT
12/05/11

RELEASED
2009-12-06

C	REDRAW, ADD -13 (ZN A8-1), PAR 09-038	CP	09.11.04
B	ADD -51-71-91-11	DC	07.10.09
A	NEW ISSUE	DC	07.08.28
REV.	DESCRIPTION	BY	DATE
DESIGN	DC	DART AEROSPACE LTD	
DRAWN	JP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	L	DRAWING NO.	REV. C
MFG. APPR.	JA	D3672	SHEET 1 OF 1
APPROVED	WJ	TITLE	SCALE
DE APPR.	WJ	PHENOLIC WASHER	NTS
DATE	09.11.04	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
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NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16967

Purchase Order Date 5/14/12

PO Print Date 5/14/12

Page Number 1 of 2

Order From :

VC-HAS001

HASKINS INDUSTRIAL
5-52 ANTARES DRIVE
NEPEAN, ON K2E 7Z1
CA

Contact Name

Vendor Phone

613 723 8800

Vendor Fax

613 723 8806

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

PR100226

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

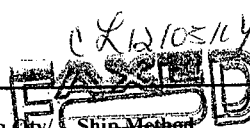
FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3672-3P	WASHER	5/17/12 Yes	500.00 Each	Dicom	\$0.3229	\$161.45
2		SFRHEC100S3150 KC625M CARB END- MILL	5/17/12 Yes	3.00 Each	Dicom	\$250.7200	\$752.16
3		SGS-36517 1/2" Z-CARB END-MILL	5/17/12 Yes	4.00 Each	Dicom	\$52.1500	\$208.60

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

Special Inst: AS PER DWG D3672 REV. C
B84432
P/N: MM.500 OD X .267 ID X .031 +/- .002

Deliver To: CNC

Deliver To: CNC

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/14/12

HASKINS INDUSTRIAL INC.
5-52 ANTARES DRIVE

NEPEAN, ONTARIO K2E 7Z1
TEL (613) 723-8800 FAX (613) 723-8806

Sold To: DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY
ON
K6A 1K7

*** BACK ORDER ***

Order # 1244623.00

Order Date 05/14/12

Page 1 of 1

Ship To: DART AEROSPACE LTD.
1270 ABERDEEN STREET
HAWKESBURY
ON
K6A 1K7

Cust Phone # (613) 632-5200 Warehouse OTTAWA F.O.B. DEST Taken By Sylvie 613-723-880

Cust # 05168 Customer P/O # 16967 Required 05/15/12 Orig Order 1244623.00 Slsm PL Ship Via DICOM Terms NET 30

Ln# Bin # Order UM Ship B/O Product Description

1 3 EA 3 KEO1X1 2962060 SFRHEC100S3150 KC625M CARB EM

2 4 EA 4 SGS1X1 36517 1/2" SERZ16CR Z-CARB ENDMILL

3 1 EA 1 KEO1X1 1094696 A12SSDUPL3 BORING BAR

4 5 EA 0 5 PTD1X1 0634912 A901 1/8" DRILL

5 5 EA 0 5 PTD1X1 0212592 A921 1/8" DRILL

6 1 EA 0 1 KEO1X1 1199308 B105A11100 K10 DRILL

7 * 1 EA 0 1 WE1X1 DG22ARS 90DEG ANGLE DIE GRINDER

OLD PART # DG22AR

8 500 EA 500 MMS-D3672-3 .500 X .267 X .031 +/- .002 WASHER, PRE

Enforce

PLEASE NOTE:

1. NO RETURNS WITHOUT PRIOR AUTHORIZATION
2. ALL SHORTAGE CLAIMS MUST BE WITHIN 10 DAYS
3. BO CODE: BO = QTY NOT SHIPPED IS BACK-ORDERED
- CL= QTY NOT SHIPPED WAS CANCELLED
- SC= ITEM CONSIDERED COMPLETE - NO B/O CREATED

FILL

PACK

DATE

Printed on 2012-05-15 at 10:23

5/15/12